

85244

Ship June 20th Page 1

N900040100

Setup Start *NS1*

Stop *NS2*

Customer:

*** 1 ***

*** 1 ***

Run Start *NR1*

Date: 12/06/08 Tooling:

Date:

Stop *NR2*

Date:

SPC (Y/N):

Date:

Draw Nbr	Revision Nbr
IIN D412-742	E

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG007

JB 5/17/62

MUJ 17/06/18

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

12/04/15 JB

80

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

Siddharth

Picklist Print

Work Order ID 85244

85244

Page 2

June-05-12 9:10:00 AM

Item ID: D412-742-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Float Skidtube Installation

Start Date: 05/06/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Run Start

NR1

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-742-013								
	Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

1x

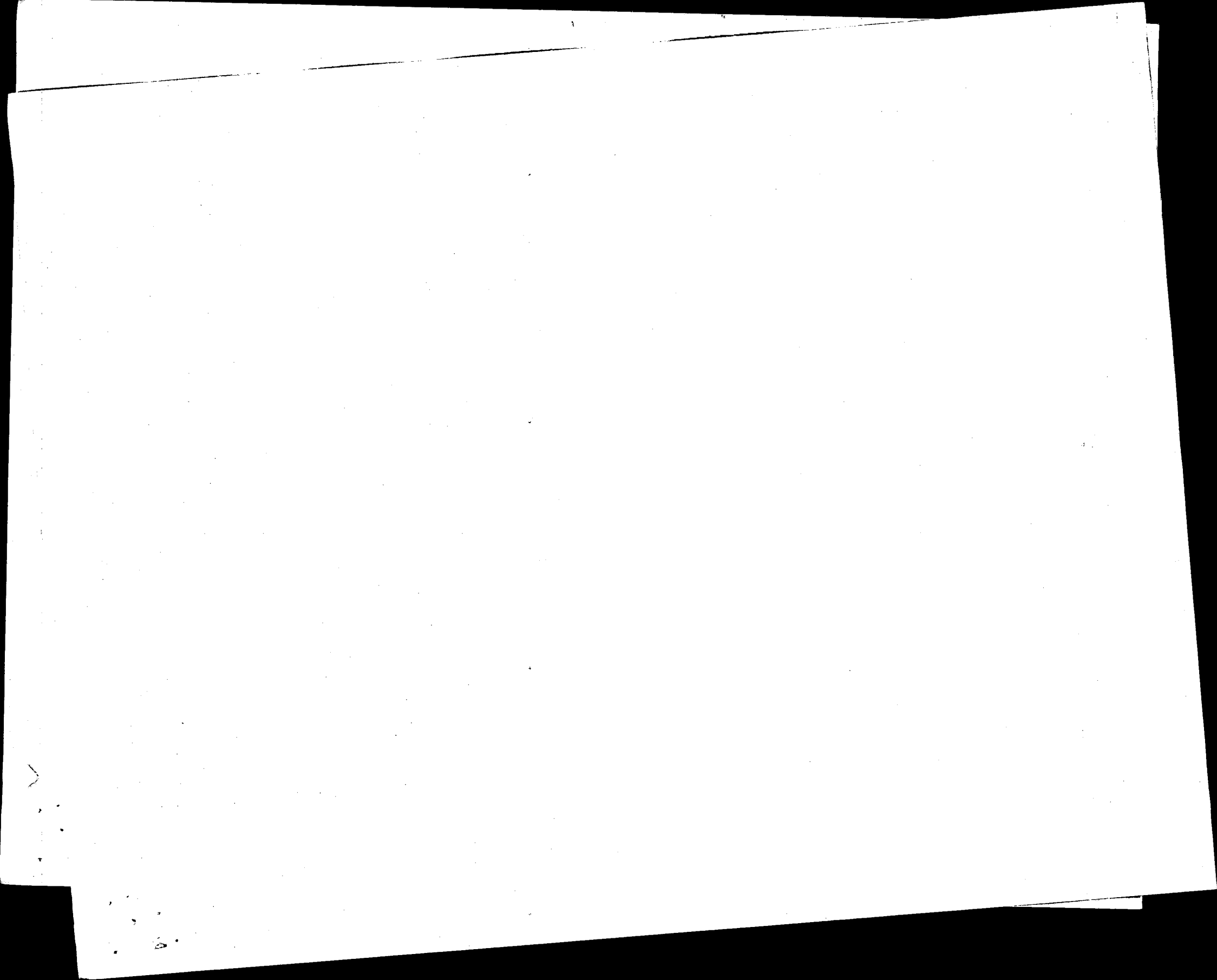
SP

12-6-20

MLJ 12/06/20

mf

12-06-20



NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td style="width: 33%;"> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </td> <td style="width: 33%;"> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </td> <td style="width: 33%;"> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Other <input type="checkbox"/> </td> <td style="width: 33%;"> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </td> </tr> </table>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Other <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Other <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Offset/Setup									
Other									
Process									
Supplier									
Training									
Unauthorized									

FAULT CATEGORY

Landing Gear	Hardware	General	Maintenance
<input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong Drill Holes <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many	<input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing	<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Picklist Print

June-05-12 9:10:03 AM

Page 2

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D2571

Manufactured No

110

Each

18.0000

D2571

Saddle, Fwd Out 205

**

JB

SP

Location

Loc Qty

Loc Code

ST

1

11644

1

ST425

-13

ST432

17

83451

5

83670

12

ST433

13

83670

D2572

Manufactured No

110

Each

2.0000

D2572

Saddle, Fwd In 205

**

82812 JB

SP

Location

Loc Qty

Loc Code

ST432

2

71107

2

D2573

Manufactured No

110

Each

22.0000

D2573

Saddle, Aft Out 205

**

JB 12/06/12

Location

Loc Qty

Loc Code

ST423

-12

79424

0

ST433

22

83453

4

83454

6

83669

12

ST434

12

83454

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Supplier <input type="checkbox"/>	<input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Other <input type="checkbox"/>	<input type="checkbox"/>
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Supplier <input type="checkbox"/>	<input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Other <input type="checkbox"/>	<input type="checkbox"/>															

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Offset/Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unauthorized <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear	Hardware	General	Maintenance
<input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong Drill Holes <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many	<input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing	<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____ _____

Picklist Print

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D2574

Manufactured No

110

Each

22.0000

1 ✓

D2574

Saddle, Aft In 205

**

JB

SP

Location

Loc Qty

Loc Code

ST433

22

83455

4

83456

6

83671

12

83456

D2876

Manufactured No

110

Each

132.0000

2 ✓

D2876

Saddle Spacer

**

JB

SP

Location

Loc Qty

Loc Code

ST020

132

79693

9

83323

40

83890

83

83890

D2877

Manufactured No

110

Each

102.0000

2 ✓

D2877

Saddle Spacer

**

JB

SP

12/06/12

Location

Loc Qty

Loc Code

ST020

102

83324

39

83891

63

83324

Picklist Print

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Page 4

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1
D3403-1
Bushing

Manufactured No

110 Each

55.0000

8 8

**

JB SP

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

40

80208

7

80219

4

81529

29

81529

D3403-5
D3403-5
Bushing

Manufactured No

110 Each

38.0000

8 8

**

JB SP

Location

Loc Qty

Loc Code

ST042

38

81531

38

81531

D2747
D2747
Set Screw

Manufactured No

110 Each

172.0000

4 4

**

JB SP

Location

Loc Qty

Loc Code

ST017

172

79520

5

81877

167

81877

D3533-1
D3533-1
Set Screw

Manufactured No

110 Each

106.0000

2 2

**

JB SP 12/06/15

Location

Loc Qty

Loc Code

ST053

106

80326

6

83892

100

83892

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Shop Packet Print

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Picklist Print

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C6A

Purchased

No

110

Each

567.0000

AN4C6A

Bolt

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

563

116704

2

121656

61

21658

500

16

**

14x 121656 JB SP

2x 121656

AN4C53A

Purchased

No

110

Each

22.0000

AN4C53A

Bolt

Location

Loc Qty

Loc Code

ST361

22

121183

22

AN4C52A

Purchased

No

110

Each

56.0000

AN4C52A

BOLT

Location

Loc Qty

Loc Code

ST361

56

117688

6

120364

50

AN6C12A

Purchased

No

110

Each

38.0000

AN6C12A

BOLT

Location

Loc Qty

Loc Code

ST341

38

121541

38

121183

**

4 4

JB SP

120364

**

8

JB SP

12/06/15

121541

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Shop Packet Print

Page 5

Picklist Print

June-05-12 9:10:03 AM

Page 6

Work Order ID: 85244

85244

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3672-3 Manufactured No

110 Each

655.0000 32

D3672-3

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

655

84361

655

110 Each

0.0000 32

AN960C4161

Purchased No

AN960C4161

WASHER

**

D3672-9 Manufactured No

110 Each

348.0000 8

D3672-9

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

348

81763

348

110 Each

231.0000 8

NAS1149C0632R

Purchased No

NAS1149C0632R

WASHER

**

Location

Loc Qty

Loc Code

ST297

231

119736

2

121060

29

121825

200

110 Each

243.0000 8

D3672-11

Manufactured No

D3672-11

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

243

77483

243

June-05-12 9:10:03 AM

Shop Packet Print

Page 6

Picklist Print

June-05-12 9:10:03 AM

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,287.000

129 29 ✓

**

MS21043-4

Nut

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1247

119546

131

121162

616

121652

500

121162

D3403-3

Manufactured

No

110

Each

29.0000

8 8 ✓

**

D3403-3

Bushing

Location

Loc Qty

Loc Code

ST042

29

81530

7

84503

22

4x 84503

D3405-041

Manufactured

No

110

Each

16.0000

1 1 ✓

**

D3405-041

Lug Assembly

Location

Loc Qty

Loc Code

ST478

16

62227

2

77000

2

83896

12

83896

Picklist Print

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Page 8

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-043

Manufactured No

110

Each

12.0000

D3405-043

Lug Assembly

** 83312 JB SP

Location

Loc Qty

Loc Code

ST478

12

82038

1

83897

11

AN4C7A

Purchased No

110

Each

143.0000

AN4C7A

Bolt

** JB SP

Location

Loc Qty

Loc Code

ST356

143

109147

143

D3407-041

Manufactured No

110

Each

25.0000

D3407-041

Tow Ring

** 109147 JB SP

Location

Loc Qty

Loc Code

ST463

25

82067

6

82068

19

D3417-3

Manufactured No

110

Each

31.0000

D3417-3

Washer

** 82068 2 JB SP 2/06/15

Location

Loc Qty

Loc Code

FG

9

33519

9

ST042

22

80225

22

80225

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Shop Packet Print

Page 8

Picklist Print

June-05-12 9:10:04 AM

Page 9

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured No

110

Each

149.0000

**

JB

SP

D3456-1
Washer

Location

Loc Qty

Loc Code

FG

7

25701

7

ST044

142

80252

1

81876

41

83584

100

83584

AN3C37A

Purchased

No

110

Each

141.0000

**

JB

SP

AN3C37A
BOLT

Location

Loc Qty

Loc Code

ST354

141

116874

11

117010

2

120422

3

121068

75

121585

50

121068

AN3C40A

Purchased

No

110

Each

24.0000

**

JB

SP 12/06/15

AN3C40A
BOLT

Location

Loc Qty

Loc Code

ST354

24

114442

24

114442

Picklist Print

June-05-12 9:10:04 AM

Page 10

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C41A
S *AN3C41A*
BOLT

Purchased No

110 Each

138.0000

** [Redacted] ✓

JB 8P

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

134

120753

24

121013

30

121313

80

121013

AN3C42A
S *AN3C42A*
BOLT

Purchased No

110 Each

32.0000

** [Redacted] ✓

JB 8P

Location

Loc Qty

Loc Code

ST354

32

106176

1

120464

6

121103

25

120464

AN3C43A
S *AN3C43A*
BOLT

Purchased No

110 Each

92.0000

** [Redacted] ✓

JB 8P 12/06/12

Location

Loc Qty

Loc Code

ST354

92

114455

2

119673

1

120465

89

120465

Picklist Print

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

85244

D412-742-013

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C46A

Purchased

No

110

Each

53.0000

5

**

AN3C46A

BOLT

Location

Loc Qty

Loc Code

ST355

53

120447

53

110

Each

0.0000

26 26

**

AN960C10L

NAS1149C0332

Purchased

No

AN960C10L

washer

MS21043-3

Purchased

No

110

Each

1,557.000

13 13

**

MS21043-3

Nut

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

14

120693

14

ST301

1471

118077

2

118614

51

118686

30

119758

20

121255

368

121708

1000

121255

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
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WAS:

49B	4			AN4C53A	BOLT
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A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	92	DART AEROSPACE USA, INC	
DRAWN	92	KENT, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
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